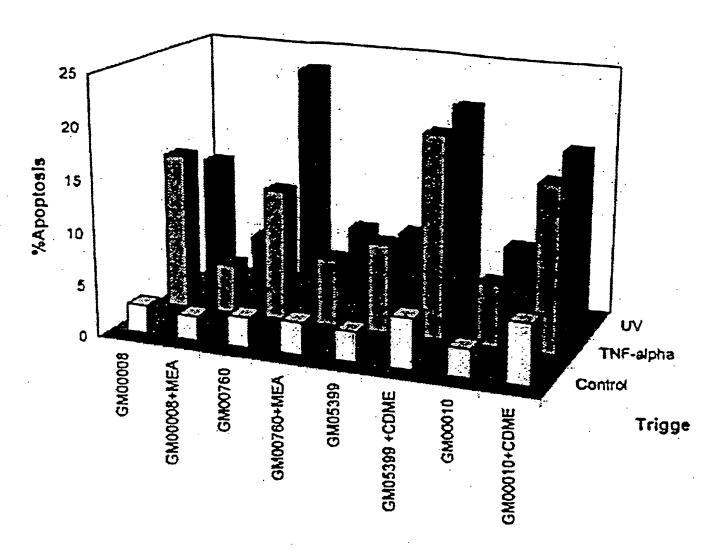
WO 2005/039490 PCT/US2004/032305

FIG. 1



Cell type/Treatment

FIG. 2

Treatment Compound	% Apoptosis	Compound Structure
Control	5.3	
Cystine	8.3	но — s—s— он NH, NH,
Cystine Dimethylester (CDME)	39.7	H ₃ CO
Cystamine	5.0	HN S S NH
Djenkolic Acid	5.8	HO HI, S S NH, OH
Djenkolic Acid Dimethylester (DKADME)	6.0	M3CO NH2 S S NH2 OCH3
Penicillimine Disulfide	4.5	HO H,C S-S CH, OH
Penicillimine Disulfide Dimethylester (PDDME)	5.8	H ₃ CO + S - S - CH ₃ OCH ₃
Cys-Ala Disulfide	5.1	HO TH S-S NH ₂ OH
Cys-Ala Disulfide Dimethylester (CADME)	4.8	H ₃ CO
Cys-Gly Disulfide	4.4	HO
Cys-Gly Disulfide Dimethylester (CGDME)	7.4	H ₃ CO
Cys-Val Disulfide	6.3	H ₂ C CH ₃ H ₃ C CH ₃ H ₃ C CH ₃ H ₄ C CH ₃ CH ₄ H ₄ C CH ₃ CH ₄ H ₄ C CH ₃ CH ₄ H ₄ C CH ₄
Cys-Val Disulfide Dimethylester (CVDME)	4.5	H,CO TH, NH, S-S NH, OCH,

FIG. 3

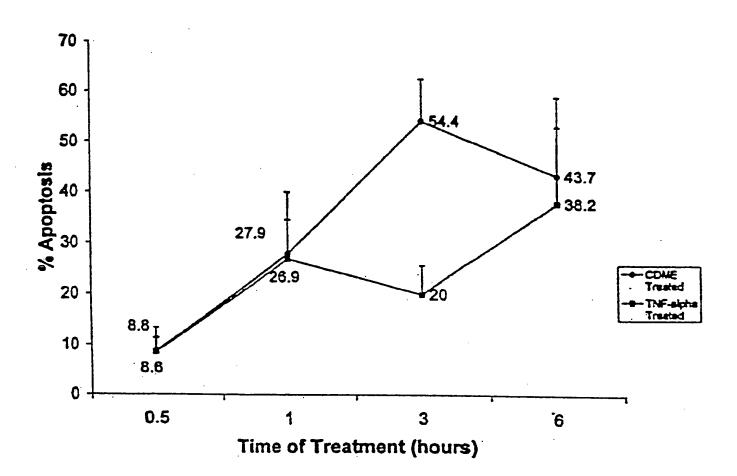


FIG. 4

